AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (canceled)

2. (currently amended) A method for simultaneously handling data planes for processing vector features in a wireless network planning system comprising:

accepting a vector data plane and a raster data plane;

utilizing a coordinate system stored as a coordinate system data plane;

processing the vector data plane and the raster data plane using the coordinate system data plane to compute a distance to the vector feature that is within the boundaries of a pixel containing the vector feature;

wherein the processing includes calculating a propagation loss for a wireless communications signal, and

wherein the calculating comprises the steps of: determining a length of a radial from a base station to a mobile antenna; computing the propagation loss from said base station to an inner edge of a map pixel containing said mobile antenna; and determining a propagation loss from the inner edge of said map pixel containing said mobile antenna to a mobile antenna location using vector processing and a weighting function; and

transferring the result to an output.

3. (original) The method of claim 2, wherein the raster data plane includes at least one raster variable.

4. (original) The method of claim 2, wherein the vector data plane includes at least one vector variable.

5. (original) The method of claim 2, wherein the coordinate system data plane is comprised of a geographical coordinate system.

6. (original) The method of claim 2, wherein the result is comprised of at least one data plane.

7. (original) The method of claim 2, wherein the vector data plane and the raster data plane is accepted over a network.

8. (original) The method of claim 2, wherein the output means is a network.

9-10 (canceled)

11. (currently amended) A method for simultaneously handling data planes for processing vector features in a wireless network planning system comprising:

accepting a vector data plane and a raster data plane;

utilizing a coordinate system stored as a coordinate system data plane;

processing the vector data plane and the raster data plane using the coordinate system data plane to compute a distance to the vector feature that is within the boundaries of a pixel containing the vector feature;

~~The method of claim 2,~~ wherein the processing includes redistributing traffic within a sector onto vectors located within said sector and wherein said redistributing comprises: calculating the total traffic within said sector; determining a scaling factor; using said scaling factor to spread said traffic over at least one vector point within said sector; and spreading the remaining traffic over the pixels within the sector; and

transferring the result to an output.

12-13. (canceled)

14. (new) The method of claim 11, wherein the raster data plane includes at least one raster variable.

15. (new) The method of claim 11, wherein the vector data plane includes at least one vector variable.

16. (new) The method of claim 11, wherein the coordinate system data plane is comprised of a geographical coordinate system.

17. (new) The method of claim 11, wherein the result is comprised of at least one data plane.

18. (new) The method of claim 11, wherein the vector data plane and the raster data plane is accepted over a network.

19. (new) The method of claim 11, wherein the output means is a network.